

What is claimed is:

1. A method of cleaning abrasive faces of an upper abrasive plate and a lower abrasive plate of an abrasive machine, which are mutually faced, by a cleaning device including:

a nozzle for jetting water toward the abrasive faces of said abrasive plates rotating;

means for moving said nozzle along the abrasive faces;

means for preventing the jetted water from scattering in the air, said preventing means enclosing said nozzle; and

means for closing a gap between said preventing means and an outer edge of said upper abrasive plate,

said method is characterized by the steps of:

jetting water from said nozzle toward the abrasive face of said upper abrasive plate;

moving said nozzle toward the outer edge of said upper abrasive plate; and

closing said gap by said closing means when said gap is formed between said preventing means and the outer edge of said upper abrasive plate.

2. The method according to claim 1,

wherein the abrasive face of said upper abrasive plate is cleaned by water jetted from a first nozzle; and

the abrasive face of said lower abrasive plate is cleaned by water jetted from a second nozzle.

3. The method according to claim 1,

wherein said nozzle is a rotatable nozzle, which is rotated by rotating

means.

4. The method according to claim 1,
wherein said preventing means is a brush enclosing said nozzle.
5. The method according to claim 1,
wherein said closing means is a brush, which is moved by actuating means so as to close said gap.
6. The method according to claim 1,
wherein the abrasive face of said lower abrasive plate is cleaned after the abrasive face of said upper abrasive plate is cleaned.
7. A method of cleaning abrasive faces of an upper abrasive plate and a lower abrasive plate of an abrasive machine, which are mutually faced, by a cleaning device including:
a pivotable nozzle for jetting water toward the abrasive faces of said abrasive plates rotating;
means for pivoting said nozzle; and
means for moving said nozzle along the abrasive faces,
said method is characterized by the steps of:
jetting water from said nozzle toward the abrasive face of said upper abrasive plate;
moving said nozzle so as to clean the abrasive face of said upper abrasive plate;
pivoting said nozzle toward the abrasive face of said lower abrasive plate;
jetting water from said nozzle toward the abrasive face of said lower abrasive plate; and

moving said nozzle so as to clean the abrasive face of said lower abrasive plate.

8. The method according to claim 7,

wherein said cleaning device further includes an enclosing member enclosing a space including said abrasive plates so as to prevent water jetted from said nozzle from scattering outside of said cleaning device.

9. The method according to claim 7,

wherein said cleaning device further includes means for preventing the jetted water from scattering in the air, which is provided around said nozzle, and

wherein the upper abrasive face of said lower abrasive plate is cleaned by jetting water into a space formed by the upper abrasive face of said lower abrasive plate and said preventing means,

after the lower abrasive face of said upper abrasive plate is cleaned by jetting water into a space formed by the lower abrasive face of said upper abrasive plate and said preventing means.

10. The method according to claim 9,

wherein said preventing means is a brush.

11. The method according to claim 7,

wherein width and density of discharging grooves, which discharge abraded dusts and slurry outside, of said upper abrasive plate are different from those of said lower abrasive plate, and

wherein moving speed of said nozzle for cleaning the abrasive face of said upper abrasive plate and that for cleaning the abrasive face of said lower abrasive plate are independently controlled.

12. The method according to claim 7,

wherein a plurality of nozzles, which are capable of jetting water in the same direction, are linearly arranged, and they are capable of simultaneously pivoting toward the same direction and simultaneously moving in the same direction with respect to the abrasive faces of said abrasive plates.

13. The method according to claim 7,

wherein pressure of water supplied to said nozzle is 10.79 MPa or more.

14. A method of cleaning abrasive faces of an upper abrasive plate and a lower abrasive plate of an abrasive machine, which are mutually faced, by a cleaning device including:

a first nozzle for jetting water toward the lower abrasive face of said upper abrasive plates rotating, said first nozzle being moved with respect to the lower abrasive face; and

a second nozzle for jetting water toward the upper abrasive face of said lower abrasive plates rotating, said second nozzle being moved with respect to the upper abrasive face,

said method is characterized by the steps of:

jetting water from said nozzles toward the abrasive faces of said abrasive plates,

wherein movement of said second nozzle is a prescribed time behind that of said first nozzle so as to securely remove the water fallen onto the upper abrasive face of said lower abrasive plate.

15. The method according to claim 14,

wherein pressure of water supplied to said nozzle is 10.79 MPa or

more.

16. A cleaning device for cleaning abrasive faces of an upper abrasive plate and a lower abrasive plate of an abrasive machine, which are mutually faced,

comprising:

a nozzle for jetting water toward the abrasive faces of said abrasive plates rotating;

means for moving said nozzle along the abrasive faces;

means for preventing the jetted water from scattering in the air, said preventing means enclosing said nozzle; and

means for closing a gap between said preventing means and an outer edge of said upper abrasive plate,

wherein said closing means closes said gap when said nozzle and said preventing means are moved toward the outer edge of said upper abrasive plate and said gap is formed between said preventing means and the outer edge of said upper abrasive plate.

17. The cleaning device according to claim 16,

wherein a pair of said nozzles are provided, one of them is a first nozzle for cleaning the abrasive face of said upper abrasive plate, the other is a second nozzle for cleaning the abrasive face of said lower abrasive plate.

18. The cleaning device according to claim 16,

further comprising:

means for supplying water to said nozzle; and

means for controlling said supplying means so as to clean the abrasive face of said lower abrasive plate after the abrasive face of said

upper abrasive plate is cleaned.

19. The cleaning device according to claim 16,
wherein said nozzle is a rotatable nozzle, which is rotated by rotating means.

20. The cleaning device according to claim 19,
further comprising:
means for supplying water to said nozzle; and
means for controlling said rotating means,
wherein said controlling means controls said rotating means to head said nozzle toward the abrasive face of said upper abrasive plate, then said controlling means controls said rotating means to head said nozzle toward the abrasive face of said lower abrasive plate so as to clean the abrasive face of said lower abrasive plate after the abrasive face of said upper abrasive plate is cleaned.

21. The cleaning device according to claim 16,
wherein said preventing means is a brush enclosing said nozzle.

22. The cleaning device according to claim 16,
wherein said closing means is a brush, which is moved by actuating means so as to close said gap.

23. A cleaning device for cleaning abrasive faces of an upper abrasive plate and a lower abrasive plate of an abrasive machine, which are mutually faced,
comprising:
a nozzle for jetting water toward the abrasive faces of said abrasive

plates rotating;

means for rotating said nozzle toward said upper abrasive plate and said lower abrasive plate;

means for moving said nozzle along the abrasive faces;

means for preventing the jetted water from scattering in the air; and

means for controlling said rotating means and said moving means,

wherein said controlling means controls said rotating means to head said nozzle toward the abrasive face of said upper abrasive plate, then said controlling means controls said rotating means to head said nozzle toward the abrasive face of said lower abrasive plate so as to clean the abrasive face of said lower abrasive plate after the abrasive face of said upper abrasive plate is cleaned.

24. The cleaning device according to claim 23,

further comprising an enclosing member enclosing a space including said abrasive plates so as to prevent water jetted from said nozzle from scattering outside of said cleaning device.

25. The cleaning device according to claim 23,

wherein said preventing means is a brush enclosing said nozzle, and said brush is vertically moved by elevating means so as to make said brush contact said abrasive faces.

26. The cleaning device according to claim 23,

wherein width and density of discharging grooves, which discharge abraded dusts and slurry outside, of said upper abrasive plate are different from those of said lower abrasive plate, and

wherein said cleaning device further comprising means for independently controlling moving speed of said nozzle for cleaning the

abrasive face of said upper abrasive plate and that for cleaning the abrasive face of said lower abrasive plate.

27. The cleaning device according to claim 23,

wherein a plurality of nozzles, which are capable of jetting water in the same direction, are linearly arranged, and they are capable of simultaneously pivoting toward the same direction and simultaneously moving in the same direction with respect to the abrasive faces of said abrasive plates.

28. A cleaning device for cleaning abrasive faces of an upper abrasive plate and a lower abrasive plate of an abrasive machine, which are mutually faced,

comprising:

a first nozzle for jetting water toward the lower abrasive face of said upper abrasive plates rotating;

a second nozzle for jetting water toward the upper abrasive face of said lower abrasive plates rotating;

means for moving said nozzle sections with respect to the upper abrasive faces; and

means for controlling said moving means,

wherein movement of said second nozzle is a prescribed time behind that of said first nozzle so as to securely remove the water fallen onto the upper abrasive face of said lower abrasive plate.